PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO	Complete if Known		
•	Application Number	10/812,062	
INFORMATION DISCLOSURE	Filing Date	March 30, 2004	
STATEMENT BY APPLICANT	First Named Inventor	Barin Geoffry HASKELL et al.	
	Art Unit	2631	
(Use as many sheets as necessary)	Examiner Name	To be assigned	
8heet 1 of 1	Attorney Docket Number	02777/3293	

JUL 2 9 2004

ŢŢ.	U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Once becamen	Passages or Relevant Figures Appear		
			<del> </del>				
		<del></del>					
	<del> </del>			<u> </u>			

		FOREIGN PA	TENT DOCUME	NTS		
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> – Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear	ಗ್
		NON PATENT LIT	ERATURE DOCUM	ENTS	<u> </u>	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITA the item (book, magazine, journal, ser number(s), publish	ial, symposium, ca		ge(s), volume-issue	T²
/A.H.	/	Siwei Ma et al., "Rate Control for Advan IEEE International Symposium on Circu	ce Video Coding (	AVC) Standard," Pro	oceedings of the 2003	
/A.H.	/	Arian Koster, "Coded Representation of for Standardisation, Telecommunication ATM Video Coding (Rapporteur's Group 1993, 126 pp.	Standardization S	Sector, Study Group	15, Experts Group for	
					•	
	1					,

Examiner Signature /Anner Holder/	Date Considered	09/12/2007
-----------------------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>2</sup> Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is statched.

The information is prometical to required by 37 CER 4.02 and 4.03. The information is required by 37 CER 4.02 and 4.03. The information is required by 37 CER 4.03 and 4.03. The information i

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

WAR 3 0 7000 B

PTO/SB/08A (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

stitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete If Known				
Application Number	10/812,062			
Filing Date	March 30, 2004			
First Named Inventor	Barin HASKELL, et al.			
Art Unit	2621			
Examiner Name	Nhon Thanh Diep			
Attorney Docket Number	13316-3293			

U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	No.	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cheo Botanien	Pessages or Relevant Figures Appear
/A.H./	1	US-5,404,174-A	04-04-1995	Sugahara	•
/A.H./	2	US- 6,040,861-A	03-21-2000	Boroczky et al.	
		US-			
		US-			
		US-			
	1	US-	,		
		US-			
		US-			
	ĺ	US-			
		US-			
	1	US-			
	1	US-			
		US-			
		US-			
		US-			
	ſ	US-			
	i	US-			
		US-			, <u></u>
		US-			
·······	1	US-			

Signature Considered Considered	Examiner Signature /Anner Holder/ Date Considered 09/12/2007
---------------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. There office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senat number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO INFORMATION DISCLOSURE TATEMENT BY APPLICANT

Complete if Known Application Number 10/812,062 Filing Date March 30, 2004 HASKELL et al. First Named Inventor Art Unit 2631 Examiner Name Not assigned

(Use as many sheets as necessary)

of 2 Attorney Docket Number 2777/3293

		NON PATENT LITERATURE DOCUMENTS	
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/A.H./		J. Lee and B.W. Dickinson, "Scene-adaptive motion interpolation structures based on temporal masking in human visual perception," in <i>Proc. SPIE Conference on Visual Comm. and Image Processing</i> , Cambridge, 1993, pp. 499-510.	
/A.H./		A. Hanjalic, "Shot-Boundary Detection: Unraveled and resolved?," IEEE Transactions on Circuits and Systems for Video Technology, vol. 12, no. 2, pp. 90-105, February 2002.	
/A.H./		C-L. Huang and B-Y Liao, "A robust scene-change detection method for video segmentation," IEEE Signal Processing Letters, vol. 7, no.7, pp. 173-175, July 2000.	
/A.H./		T. Vlachos, "Cut detection in video sequences using phase correlation," IEEE Signal Processing Letters, vol. 7, no. 7, pp. 173-175, July 2000.	
/A.H./		U. Gargi, R. Kasturi, and S.H. Strayer, "Performance characterization of video shot change detection methods," IEEE Transactions on Circuits and Systems for Video Technology, vol. 10, no. 1, pp. 1-13, February 2000.	
/A.H./		R.M. Ford, C. Robson, D. Temple, and M. Gerlach, "Metrics for shot boundary detection in video sequences," Multimedia Systems, vol. 8, pp. 37-46, 2000.	
/A.H./		B-L Yeo and B. Liu, "Rapid Scene analysis on compressed video," IEEE Transactions on Circuits and Systems for Video Technology, vol. 5, no. 6, pp. 533-544, December 1995.	
/A.H./		H.J. Zhang, C.Y. Low, and S.W. Smoliar, "Video parsing and browsing using compressed data," Multi-media Tools and Applications, vol. 1, no. 1, pp. 89-111, March 1995.	
/A.H./		H.C. Liu and G. Zick, "Automatic determination of scene changes in MPEG compressed video," in <i>Proc. IEEE Symp. Circuits and Systems</i> , Seattle, 1995, vol. 1, pp. 764-767.	
/A.H./		Z. Cemekova, C. Nikou, and I. Pitas, "Shot detection in video sequences using entropy-based metrics," in Proceedings of IEEE International Conference on Image Processing, 2002, vol. 3, pp. 421-424.	
/A.H./		B. Shahraray, "Scene change detection and content-based sampling of video sequences," In <i>Digital Video Compression: Algorithms and Technologies</i> , 1995, vol. SPIE-2419, pp. 2-13.	

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered, Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is observed in the property of the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes. to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case, Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2008, OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE ATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 2

Complete if Known				
Application Number	10/812,062			
Filing Date	March 30, 2004			
First Named Inventor	HASKELL et al.			
Art Unit	2631	· · · · · · · · · · · · · · · · · · ·		
Examiner Name	Not assigned			
Attorney Docket Number	2777/3293			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
/A.H./		J. Bescos, G. Cisneros, and J.M. Menendez, "Multidimensional comparison of shot detection algorithms," in Proceedings of IEEE International Conference on Image Processing, 2002, vol. 2, pp. 401-403.	
/A.H./		J. Meng, Y. Juan, and S.F. Chang, "Scene change detection in a MPEG compressed video sequence," in Digital Video Compression: Algorithms and Technologies, 1995, vol. SPIE-2419, pp. 14-25.	
/A.H./		Jungwoo Lee and Bradley W. Dickinson, "Temporally adaptive motion interpollation exploiting temporal masking in visual perception," <i>IEEE Transactions on Image Processing</i> , vol. 3, no. 5, pp 513-528, Sept. 1994.	
<del></del>			
<del> </del>			
<del></del>			
<del></del> -			

	· · · · · · · · · · · · · · · · · · ·	<del></del>	, <del>-                                   </del>	
Examiner Signature	/Anner Holder/	Date Considered	09/12/2007	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete finis form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no page his are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Sheet

(Use as many sheets as necessary)

TO BE TRANSPORTED TO	A¢
INFORMATION DISCLOSURE	Fil
STATEMENT BY APPLICANT	Fi

	Complete if Known				
Application Number	10/812,062				
Filing Date	03/30/2004				
First Named Inventor	HASKELL, Barin Geoffry				
Art Unit	2631				
Examiner Name	to be assigned				
Attorney Docket Number	13316/3293				

U.S. PATENT DOCUMENTS						
Examiner Initials * Cite No. 1 Number - Kind Code* (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
/A,H,/	1	US- 2,905,756	09/22/1959	Graham		
/A.H./	2	US- 4,245,248	01/13/1981	Netravali et al.		
A.H./	3	US- 4,394,680	07/19/1983	Watanabe		
A.H./	4	US- 4,717,956	01/05/1988	Moorhead et al.		
A.H./	5	US- 4,920,414	04/24/1990	Remus et al.		
/A.H./	6	US- 4,958,226	09/18/1990	Haskell et al.		
/A.H./	7	US- 4,999,705	03/12/1991	Puri		
/A.H./	8	US- 5,001,559	03/1991	Gonzales et al.		
/A.H./	9	US- 5,086,346	02/04/1992	Fujisawa		
Á.H./	10	US- 5,116,287	05/26/1992	Hironaka et al.		
A.H./	11	US- 5,117,283	05/26/1992	Kroos et al.		
A.H./	12	US- 5,134,476	07/28/1992	Aravind et al.	· ·	
AH./	13	US- 5,136,659	08/04/1992	Kaneko et al.		
/A H /	14	US- 5,170,264	12/08/1992	Saito et al.		
/A.H./	15	US- 5,189,526	02/23/1993	Sasson	,	
/A.H./	16	US- 5, 194,941	03/16/1993	Grimaldi et al.		
/A.H./	17	US- 5,196,933	03/1993	Henot		
/A.H./	18	US- 5,214,507	05/25/1993	Aravind et al.		
// H /	18	US- 5,214,721	05/25/1993	Fukuhara et al.		
/A'H'/	20	US- 5,227,878	07/13/1993	Puri et al.		
/A.H./	21	US- 5,247,590	09/21/1993	Fukuhara et al.		
/A.H./	22	US- 5,253,055	10/12/1993	Civanlar et al.		
/A.H./	23	US- 5,253,056	10/12/1993	Puri et al.		
/A.H./	24	US- 5,270,813	12/14/1993	Puri et al.		
/A.H./	25	US- 5,278,646	06/11/1994	Civanlar		
/A H /	26	US- 5,345,317	09/06/1994	Katsuno et al.		
/A H /	27	US- 5,408,328	04/18/1995	Boliek et al.		
/A.H./	28	US- 5,414,469	03/09/1995	Gonzales et al.		
/A.H./	29	US- 5,436,985	07/25/1995	Li		
<del>/A:H:/</del>	30	US- 5,454,051	09/26/1995	Smith		
/A H /	31	US-5,465,119	11/07/1995	Demos		
/A:H:/	32	US- 5,467,136	11/14/1995	Odaka et al.		

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO Complete if Known Application Number 10/812,062 INFORMATION DISCLOSURE Filing Date 03/30/2004 STATEMENT BY APPLICANT First Named Inventor HASKELL, Barin Geoffry Art Unit (Use as many sheets as necessary) Examiner Name to be assigned 13316/3293 Sheet Attorney Docket Number

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Palentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
					Figures Appear		
/A.H./	33	US- 5,473,376	12/05/1995	Auyeung			
/A.H./	34	US- 5,488,418	01/30/1996	Mishima et al.			
AHI	35	US- 5,493,513	02/20/1996	Keith et al.	·		
<u> </u>	36	US- 5,500,678	03/19/1996	Puri			
/A.H./	37	US- 5.524,024	06/04/1996	Lin	<u> </u>		
/A.H./	. 38	US- 5,532,747	07/02/1996	Yoon et al.			
/A H /	39	US- 5,539,468	07/23/1996	Suzuki et al.			
/A.H./	40	US- 5.561,477	10/01/1996	Polit			
/A.H./	41	US- 5,566,002	10/15/1996	Shikakura			
7A.H./	42	US- 5,592,569	01/07/1997	Li			
7A.H./	43	US- 5,600,375	4/1997	Wickstrom			
7A.H./	44	US- 5.619,591	04/08/1997	Tsang et al.			
/A.H./	45	US- 5,659,490	08/19/1997	Imamura			
/A.H./	46	US- 5,633,684	05/27/1997	Teranishi et al.	-		
/A.H./	47	US- 5,699,117	12/16/1997	Uramoto et al.			
A.H./	48	US- 5,737,022	04/07/1998	Yamaguchi et al.			
/A.H./	49	US- 5,748,789	05/05/1998	Lee et al.			
/A.H./	50	US- 5,757,969	05/26/1998	Kim			
<i>1</i> A.H. <i>1</i>	51	US- 5,757,971	05/26/1998	Kim			
/A.H./	52	US- 5,764,374	06/09/1998	Seroussi et al.			
/A.H./	53	US- 5.764,805	06/09/1998	Martuci et al.			
/H/A/	54	US- 5,778,097	07/07/1998	Nickerson			
/A.H./	55	US- 5,781,665	07/19/1998	Cullen et al.			
/A.H./	56	US- 5,786,855	07/28/1998	Chen et al.			
/A:H:/	57	US- 5,790,695	08/16/1998	Suwa			
7A.H./	58	US- 5,812,197	09/22/1998	Chan et al.			
7A.H./	59	US- 5,818,532	10/06/1998	Malladi et al.			
/A.H./	60	US- 5,832,115	11/16/1998	Rosenberg	,		

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Trainstation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Attorney Docket Number

Substitute for form 1449C/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

 Application Number
 10/812,062

 Filing Date
 03/30/2004

 First Named Inventor
 HASKELL, Barin Geoffry

 Art Unit
 2631

 Examiner Name
 to be assigned

13316/3293

Complete if Known

(Use as many sheets as necessary)

Sheet 3 of 10

	U.S. PATENT DOCUMENTS							
Examiner initials *	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if knawn)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
/A H /	61	US- 5,835,149	11/10/1998	Astle				
/Á H /	62	US- 5,850,294	12/18/1998	Aposolopoulos et al.				
/A H /	63	US- 5,852,473	12/22/1998	Home et al.				
/A H /	64	US- 5,852,682	12/22/1998	Kim				
/A'H'/	65	US- 5,859,921	01/12/1999	Suzuki				
/A.H./	66	US- 5,881,180	03/09/1999	Chang et al.				
/A.H./	67	US- 5,883,981	03/16/1999	Li el al.				
/A.H./	68	US- 5,912,991	06/15/1999	Jeon et al.				
/A.H./	69	US- 5,963,257	10/05/1999	Katata et al.				
/A.H./	70	US- 5,966,468	10/12/1999	Fujimoto				
7A.H./	71	US- 5,974,172	10/26/1999	Chen				
/A.H./	72	US- 5,974,184	10/26/1999	Eifrig et al.				
/A.H./	73	US- 5,978,509	11/02/1999	Nachtergaele et al.				
/A.H./	74	US- 5,978,510	11/02/1999	Chung et al.				
/A.H./	75	US- 5,999,189	12/07/1999	Kajiya et al.				
/A.H./	76	US- 5,999,219	12/07/1999	Boon				
/A.H./	77	US- 6,005,980	12/21/1999	Eifrig et al.				
/A.H./	78	US- 6,026,183	02/15/2000	Talluri et al.				
/A.H./	79	US- 6,055,623	12/21/1999	Takahashi et al.				
/Δ H /	80	US- 6,057,884	05/02/2000	Chen et al.				
/A.H./	81	US- 6,097,842	08/01/2000	Suzuki et al.				
/A.H./	82	US- 6,141,442	10/31/2000	Chen	,			
/A.H./	83	US- 6,148,026	11/14/2000	Puri et al.				
/A.H./	84	US- 6,208,693	03/27/2001	Chen et al.				
7A.H.7	85	US- 6,233,356	05/15/2001	Haskell et al.				
/A.H./	86	US- 6,459,732	10/01/2002	Chen et al.				

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestion for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449D/P	то	· .		Complete if Known
INFORMATION DISCLOSURE			OL OCUPE	Application Number	10/812,062
	INFORMATION DISCLOSURE		Filing Date	03/30/2004	
STAT	EMENT	BY A	PPLICANT	First Named Inventor	HASKELL, Barin Geoffry
				Art Unit	2631
	(Use as many s	sheets as	necessary)	Examiner Name	to be assigned
Sheet	4	of	10	Attomey Docket Number	13316/3293

			FOREIGN	PATENT DOCUMENTS		
Examiner Cite			Publication	Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials*	No.¹	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Document	Figures Appear	T <sup>6</sup>
/A.H./	87	EP 0 283 715 A2	09/28/1988	ANT Nachrichtentechnik GmbH		Abs.
/A.H./	88	EP 0 400 756 A2	12/05/1990	N.V. Philips' Gloeilampenfabrieken Groenewoudseweg		
/A.H./	89	EP 0 422 404 A2	04/17/1991	International Business Machines Corporation		
/A.H./	90	EP 0 514 663 A2	11/25/1992	International Business Machines Corporation		
/A.H./	91	EP 0 517 256 A2	12/09/1992	Sony Corporation		
/A.H./	92	EP 0 534 350	03/31/1993	Matsushita Electric Industrial Co., Ltd (JP)		
/A.H./	93	EP 0 540 961 A2	05/12/1993	International Business Machines Corporation		
/A.H./	94	EP 0 566 219 A2	10/20/1993	Canon Kabushiki Kaisha		
/A.H./	95	EP 0 582 819 A2	02/16/1994	Sony Corporation		
/A.H./	96	WO 94/27252 A	11/24/1994	Competitive Technologies, Inc.		
/A.H./	97	EP 0 746 159 A2	12/12/1996	Matsushita Electric Industrial Co., Ltd.		
/A.H./	98	EP 0 753 970 A2	01/15/1997	Sharp Kabushiki Kaisha		
/A.H.	99	CA 2,168,641	03/28/2000	Kabushiki Kaisha Toshiba, JP		

Examiner Signature	/Anner Holder/	•	Date Considered	09/12/2007	. ]

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

the appropriate symbols as indicated on the document under WIPO Standard S1. To it possible. Applicant is to place a clean field field in an appropriate symbols as indicated on the document under WIPO Standard S1. To it possible. Application is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including pathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449E/PTO	Complete if Known			
INFORMATION DIGGL COURT	Application Number	10/812,062		
INFORMATION DISCLOSURE	-   Filing Date   03/30/2004		Filing Date   03/30/2004	
STATEMENT BY APPLICANT				
	Art Unit	2631		
(Use as many sheets as necessary)	Examiner Name	to be assigned		
Sheet 5 of 10	Attorney Docket Number	13316/3293		

	NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/A.H./	100	CHEN, T., MPEG4 Video Verification Model VM 5.0, pages 2-192		
/A.H./	101	FUKINUKI, T.; "Measurement of Movement and Velocity of Moving Objects with Picture Signals"; IE78-67; pages 35-41; Central Research Laboratory; Hitachi, Ltd.; Kokubunji, Tokyo, Japan, 185; and English translation		
/A.H./	102	KOGA, T. et al.; "Motion-Compensated Interframe Coding for Video Conferencing"; IE81-54; pages 85-90, C&C Systems Research Laboratories; Nippon Electric Co., Ltd; and English translation		
/A.H./	103	NONOMIYA, Y.; "Motion Correction for Interframe Coding Systems," IE78-6; pages 1-10; General Technology Research Institute; Nippon Broadcasting Association; and English translation		
/A.H./	104	Web site material, "MPEG-4: A Flexible Coding Standard for the Emerging Mobile Multimedia Applications," http://www.tnt.uni-hannover.de/project/eu/momusys/docs/Paper/IST/pimrc/pimrc.html		
/A.H./	105	COHEN et al., "Adaptative Differential Coding of Picture Signals Based on Local Contour Prediction," Communications and Knowledge, Partners in Progress, November 29, 30 - December 1, 1976, Dallas, Texas		
/A.H./	106	PLOYSONGSANG, A. et al., "DCT/DPCM Processing of NTSC Composite Video Signal," IEEE Transactions On Communications, vol. COM-30, no. 3, pp. 541-549, XP002062314, ISSN: 0090-6778, 1 March 1982 (1982-03-01)		
/A.H./	107	CHAM et al., "DC Coefficient Restoration in Transform Image Coding," IEE Proceedings, Vol. 131, Pt. F, No. 7, pages 709 - 713, December 1984		
/A.H./	108	SEE et al., "Efficient Encoding of DC Coefficients in Transform Coding of Images Using JPEG Scheme," Signal Image and Video Processing, Vol. 1, No. Symp. 24, published 11/06/1991, Institute of Electrical and Electronics Engineers, June 11-14, 1991, pages 404-407, Singapore		
/A.H./	109	KIM, J. W. et al., "A Transform Domain Classified Vector Quantizer for Image Coding," IEEE Transactions on Circuit and Systems for Video Technology, pp. 3-14, XP002115624, March 1992 (1992-03)		
/A.H./	110	PURI, A., "Invited address: Video Coding Using the MPEG-1 Compression Standard," AT&T Bell Labs, Holmdel, NJ, 1992 SID Int1. Symposium Digest of Technical Papers, Society for Information Display, Playa del Rey, CA, May 1992		
/A.H./	111	DE NATALE, F. G. B. et al.: "Adaptive DCT For Image-Data Compression," European Transactions on Telecommunications and Related Technologies, vol. 3, no. 4, pp. 359-366, XP000310681, ISSN: 1120-3862, 1 July 1992 (1992-07-01)		

		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Examiner Signature	/Anner Holder/	Date Considered	09/12/2007	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449F/PTO	)			Complete if Known
	D11471011		01 001105	Application Number	10/812,062
			CLOSURE	Filing Date	03/30/2004
STAT	LEWENT B.	Y Al	PPLICANT	First Named Inventor	HASKELL, Barin Geoffry
				Art Unit	2631
(Use as many sheets as necessary)			necessary)	Examiner Name	to be assigned
Sheet	6	· of	10	Attorney Docket Number	13316/3293

		NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/A.H./	112	KOK, C. W. et al.: "Image Coding Using DCT of Wavelet Coefficients," Proceedings of the IEEE-SP International Symposium Time-Frequency and Time-Scale Analysis (CT. No. 92TH0478-8), pp. 475-478, XP002115625 1992, NY, NY, IEEE, USA ISBN: 0-7803-0805, Victoria, BC, Canada, 4-6 Oct. 1992
/A.H./	113	TEST MODEL EDITING COMMITTEE, TELECOMMUNICATION STANDARDIZATION SECTOR, STUDY GROUP 15, EXPERTS GROUP FOR ATM VIDEO CODING (RAPPORTEUR'S GROUP ON PART OF Q.2/15), INTERNATIONAL ORGANISATION FOR STANDARDISATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO-IEC/JTC1/SC29/WG11 MPEG93/457, "Test Model 5," Draft, Document AVC-491, Version 1, Coded Representation of Picture and Audio Information, April 1993
/A.H./	114	PURI, A., "Video Coding Using the MPEG Compression Standard," AT&T Bell Labs, Holmdel, NJ, Visual Communications and Image Processing '93, Haskell et al. Chairs/Editors, Cambridge, MA, pages 1701-1713, Vol. 2094, Part Three, SPIE - The Int'l. Society for Optical Engineering, Bellingham, WA, November 8-11, 1993
/A.H./	115	INTERNATIONAL ORGANISATION FOR STANDARDISATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11, N0702 (revised); Incorporating N0702 (revised), incorporating N702 Delta of 24 March and Further Editorial Corrections; "Information Technology — Generic Coding of Moving Pictures and Associated Audio Information: Video, Recommendation H.262"; ISO/IEC 13818-2; May 10, 1994
/A.H./	116	SCHMIDT et al., "Performance Evaluation of Nonscalable MPEG-2 Video Coding," AT&T Bell Laboratories, Holmdel, New Jersey, Visual Communications and Image Processing '94, Katsaggelos, Aggelos K., Chair/Editor, Chicago, Illinois, Pages 296-310, Vol 2308, Part One, SPIE – The International Society for Optical Engineering, Bellingham, Washington, September 25-29, 1994
/A.H./	117	INTERNATIONAL ORGANISATION FOR STANDARDISATION; Generic Coding of Moving Picture and Associated Audio Information; Video; ISO/IEC JTC1/SC29/WG11 NXXXX; ISO/IEC 13818-2, November 1994
/A.H./	. 118	AIZAWA & HUANG, "Model-Based Image Coding: Advanced Video Coding techniques for Very Low Bit-Rate Applications," <i>Proceedings of the IEEE</i> , February 1995, vol. 83, no. 2, pp. 259-271
/A.H./	119	AOE SUB GROUP; ORGANISATION INTERNATIONALE DE NORMALISATION; "MPEG-4 Proposal Package Description (PPD) - Revision 2 (Lausanne Revision)"; Source: ISO/IEC JTC1/SC29/WG11 N0937, MPEG 95/ Coding of Moving Pictures and Associated Audio Information; March 1995
/A.H./	120	HARTMAN et al., The VRML 2.0 Handbook Building Moving Worlds on the Web, pages 45-46, 264-265, Silicon Graphics, Inc. Addison-Wesley Publishing Co., 1996

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007
Colginature		Considered	1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449G/PTO	Complete if Known		
INFORMATION DIGGLOCUDE	Application Number	10/812,062	
INFORMATION DISCLOSURE	Filing Date	03/30/2004	
STATEMENT BY APPLICANT	First Named Inventor	HASKELL, Barin Geoffry	
	Art Unit	2631	
(Use as many sheets as necessary)	Examiner Name	to be assigned	
Sheet 7 of 10	Attorney Docket Number	13316/3293	

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>↑</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/A.H./	121	PURI, Atul, "Status and Direction of the MPEG-4 Standard," AT&T Bell Labs, Holmdel, NJ, Multimedia Communications and Video Coding, Wang et al., Editors, pages 349-356, Plenum Press, New York, 1996			
/A.H./	122	CHIARIGLIONE, Leonard, Florence Press Release, Source: "MPEG Press Release," Int'l Organisation for Standardisation, Coding of Motion Pictures and Audio, ISO/IEC JTC1/SC29/WG11N 1249, pp. 1-3, Firenze (Florence), Exhibit B, March 1996			
/A.H./	123	PURI et al., "Initial B-Picture Syntax Proposal for MPEG-4 Video," Int'l Organisation for Standardization, Coding of Moving Pictures and Associated Audio, ISO/IEC JTC1/WG11/MPEG 96/ 0776, Florence, March 1996			
/A.H./	124	PURI et al., "SBASIC Video Coding and Its 3D-DCT Extension for MPEG-4 Multimedia," AT&T Bell Labs, Holmdel, NJ, Visual Communications and Image Processing '96, Ansari et al., Chairs/Editors, Orlando, FL, pages 1331-1341, Vol. 2727, Part Three, SPIE - The Int'l. Society for Optical Engineering, Bellingham, WA, March 17-20, 1996			
/A.H./	125	RIJKSE, Karel, Contact Person, Int'l. Telecommunication Union, ITU-T Draft H.263, Telecommunication, Standardization Sector of ITU, Line Transmission of Non-Telephone Signals, "Video Coding for Low Bitrate Communication," Draft ITU-T Recommendation H.263, http://www.image.cityu.edu.hk/~stwkchan/h263/h263.htm!, pp. 1-49, May 2, 1996			
/A.H./	126	AD HOC GROUP ON MPEG-4 VIDEO VM EDITING, "MPEG-4 Video Verification Model Version 2.1, Source: Video Group, International Organization for Standardisation; Coding of Moving Pictures and Associated Audio Information ISO/IEC JTC1/29/WG11 XXXX, pp. 1-69, May 3, 1996			
/A.H./	127	SCHMIDT, R. L., PURI, A. and HASKELL, B. G. (AT&T); INTERNATIONAL ORGANISATION FOR STANDARDIZATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11, MPEG96/1084; Coding of Moving Pictures and Associated Audio, "Results of Scalability Experiments"; Tampere, Finland, July 1996			
/A.H./	128	TAN, T. K. and SHEN, S. M., "Intra Prediction (T9/T10) and DC/AC Prediction Results"; INTERNATIONAL ORGANISATION FOR STANDARDISATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11, MPEG 96/0939; Source: Panasonic Singapore Laboratories Pte Ltd (Matsushita); Coding of Moving Pictures and Associated Audio Information; July 1996			
/A.H./	129	SULLIVAN, Gary J., Contact, "Altered Sections of H.263 for Draft Text of H.263+"; ITU - Telecommunications Standardization SectorDocument: ITU-LBC-96-358R1, STUDY GROUP 15, LBC Experts Group, Shepperton, UK, July 15-18, 1996			

Examiner /Anner Holder/ Date Considere	o9/12/2007
--	------------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not clation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449H/PTO	Complete if Known		
WEST ATION DIGGLOSURE	Application Number	10/812,062	
INFORMATION DISCLOSURE	Filing Date	03/30/2004	
STATEMENT BY APPLICANT	First Named Inventor	HASKELL, Barin Geoffry	
	Art Unit	2631	
(Use as many sheets as necessary)	Examiner Name	to be assigned	
Sheet 8 of 10	Attorney Docket Number	13316/3293	

		NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/A.H.	130	"The Virtual Reality Modeling Language Specification," Version 2.0, ISO-IEC CD 14772, August 4, 1996
/A.H./	131	AD HOC GROUP ON MPEG-4 VIDEO VM EDITING, "MPEG-4 VIDEO VERIFICATION MODEL VERSION 3.2," INTERNATIONAL ORGANISATION FOR STANDARDISATION, ISO/IEC JTC1/SC29/WG11, Coding of Moving Pictures and Associated Audio Information, Chicago, September 1996
/A.H./	132	PURI, A., SCHMIDT, R. L. and HASKELL, B. G. (AT&T); INTERNATIONAL ORGANISATION FOR STANDARDIZATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11 MPEG96/1320; Coding of Moving Pictures and Associated Audio; "Description and Results of Coding Efficiency Experiment T9 (part 4) in MPEG-4 Video"; Sept. 1996, Chicago
/A.H./	133	CHEN et al., IEEE International Conference on Image Processing, "An Approach to Region Coding for Content-Based Scalable Video," September 16, 1996, vol. 3, pp. 399-402
/A.H./	134	EBRAHIMI, T., OSTERMANN, J., O'CONNELL, K., JANG, E.S. and the Ad hoc Group on Video Working Draft Editing; INTERNATIONAL ORGANIZATION FOR STANDARDISATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11 N1470, MPEG96/ Maceio, "Working Draft 1.0 of ISO/IEC 14496-2," A. Pun (Editor), Coding of Moving Pictures and Audio, Nov. 1996
/A.H <i>./</i>	135	AD HOC GROUP ON MPEG-4 VIDEO VM EDITING; INTERNATIONAL ORGANISATION FOR STANDARDISATION ORGANISATION INTERNATIONALE DE NORMALISATION ISO/IEC JTC1/SC29/WG11, MPEG 96/XXXX, Coding of Moving Pictures and Associated Audio Information, "MPEG-4 Video Verification Model Version 5.1"; Dec. 1996
^/A.H./	136	HASKELL, Barry G., PURI, Atul and NETRAVALI, Arun N., "Digital Video: An Introduction To MPEG-2," Digital Multimedia Standards; Chapters 7-9, pp. 146-229, 1997
/A.H./	137	HASKELL, Barry G., PURI, Atul and NETRAVALI, Arun N., "Digital Video: An Introduction To MPEG-2," Digital Multimedia Standards; Chapter 17, "MPEG-4 and the Future," 1997
/A.H./	138	Web site material, "MPEG-4 Video and Its Potential for Future Multimedia Services," http://wwwam.hhi.de/mpeg-video/papers/ sikora/iscas.htm (1/27/97)
/A.H./	139	CHEN et al., IEEE Transactions on Circuits and Systems for Video Technology, "Coding of Subregions for Content-Based Scalable Video," vol. 7, No. 1, pp. 256-260, February 1997

		1	
Examiner		Date	09/12/2007
Signature	/Anner Holder/	Considered	09/12/2007
Signature	/Alliel Holdel/	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449I/PTO Complete if Known Application Number 10/812,062 INFORMATION DISCLOSURE Filing Date 03/30/2004 STATEMENT BY APPLICANT First Named Inventor HASKELL, Barin Geoffry Art Unit 2631 (Use as many sheets as necessary) Examiner Name to be assigned Attorney Docket Number 13316/3293 Sheet

	NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/A.H./	140	TEKALP & VAN BEEK, "CORE EXPERIMENT M2: Triangular Mesh-Based Coding with Object- Based Functionalities," International Organization for Standardisation - University of Rochester, ISO/IEC JTC1/SC29/WG11 MPEG96/1627, pages 1-18, February 1997		
/A.H./	141	PURI et al., "Improvements in DCT Based Video Coding," AT&T Laboratories, Visual Communications and Image Processing '97, San Jose, California, SPIE - The International Society for Optical Engineering, Bellingham, Washington, February, 1997		
/A.H./	142	EBRAHIMI, T., HORNE, C., OSTERMANN, J., JANG, E.S., and the Ad hoc Groups on Video & SNHC VM/WD Editing; Source: Video & SNHC Groups; INTERNATIONAL ORGANIZATION FOR STANDARDIZATION ORGANISATION INTERNATIONALE DE NORMALISATION, ISO/IEC JTC1/SC29/ WG11 N1797, MPEG97/, "Working Draft 4.0 of ISO/IEC 14496-2"; A. Puri (Editor); Stockholm, July 1997		
/A.H./	143	ELEFTHERIADIS et al., editors, "Text for CD 14496-1 Systems," Int'l. Organization for Standardisation, Coding of Moving Pictures and Audio, ISO/IEC JTC1/SC29/ WG11, N1901, pp. I-207, November 21, 1997		
/A.H./	144	PURI et al., "Current and Future Trends in Multimedia Standards," Multimedia Technology for Applications, Sheu et al., Editors, Chapter 1, pages 3-35, IEEE Press Marketing, Piscataway, NJ, 1998		
/A.H./	145	PURI, A. and ELEFTHERIADIS, A., "MPEG-4: An Object-Based Multimedia Coding Standard Supporting Mobile Applications" invited paper in <i>Mobile Networks and Applications</i> , 3, pp. 5-32, 1998		
/A.H./	146	Web site material, "The Structure of the MPEG-4 Video Coding Algorithm," http://www.ee.iisc.ernet.in/people/students/gupta/ Mpeg4/Coding/fmpeg4vm.htm (3/1/98)		
/A.H./	147	INT'L. ORGANIZATION FOR STANDARDISATION, CODING OF MOVING PICTURES AND AUDIO, ISO/IEC JTC1/SC29/ WG11, N2403, "MPEG-4 Standard Completed," 6 pages, October12-16, 1998		
/A.H./	148	FDIS/BIFS, Technical Paper, Chapter 9, Sections 9.1 through 9.4.2.100.2, 16:37, November 23, 1998		
/A.H./	149	MPEG-4 Systems, "Coding of Audio-Visual Objects: Systems," ISO/IEC JTC 1/SC 29/WG 11, N2501, ISO/IEC 14496-1:1999(E), December 18, 1998		

Examiner	/Anner Holder/	Date	09/12/2007
Signature		Considered	00/12/2001

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Draw line through cliation in not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant's unique citation designation number (optional).

Applicant's unique citation designation number (optional).

Applicant's to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449J/PTO				Complete if Known	
***			0: 00!!55	Application Number	10/812,062
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	03/30/2004
				First Named Inventor	HASKELL, Barin Geoffry
				Art Unit	2631
(Use as many sheets as necessary)			necessary)	Examiner Name	to be assigned
Sheet	10	of	10	Attorney Docket Number	13316/3293

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/A.H./	150	PURI et al., "Scene Description, Composition, and Playback Systems for MPEG-4," SPIE, Visual Communications and Image Processing '99, San Jose, California, pp. 2-13, January 25-27, 1999			
/A.H./	151	PURI, A. and TEKALP, A. M., "MPEG-4 and MPEG-7 Standards," Electronic Imaging, Course Notes, San Jose, January 1999			
/A.H./	152	MPEG-4 SYSTEMS GROUP, N2739, "Text for ISO/IEC 14496-1/PDAM1," ISO/IEC JTC1/SC29/WG11, March 1999			
/A.H./	153	MPEG-4 SYSTEMS GROUP, N2741, "MPEG-4 Systems Version 2 Verification Model 6.0," ISO IEC JTC1/SC29/WG11, March 1999			
/A.H./	154	Web site material, "Object-Based Coding," <a href="http://www.ece.concordia.ca/ÿsorial/seminar1/node18.html">http://www.ece.concordia.ca/ÿsorial/seminar1/node18.html</a> (7/14/99)			
/A.H./	155	LIFSHITZ, Z., DICAGNO, G., FRANCESCHINI, G. and BATTISTA, S., "MPEG-4 Players Implementation," Multimedia Systems, Standards, and Networks, Puri, A. and Chen, T., Editors, Chapter 16, pp. 461-486, Marcel Dekker, Inc., New York, New York, 2000			
/A.H./	156	PURI, A. and CHEN, T., editors, Multimedia Systems, Standards, and Networks, Chapters 3-5, 7-9, 12 and 13; Marcel Dekker, Inc., New York, New York, 2000			
/A.H./	157	INT'L. ORGANISATION FOR STANDARDISATION; CODING OF MOTION PICTURES AND AUDIO, ISO/IEC 14496-2: 1999/Amd. 1:2000(E); ISO/IEC JTC1/SC29/WG11; SC 29 Secretariat: JISC; "Information Technology - Coding of Audio-Visual Objects - Part 2: Visual, Amendment 1: Visual Extensions; Exhibit D; January 31, 2000			

Examiner Signature	/Anner Holder/	Date Considered	09/12/2007
Cignatoro			J

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.